

Customer No.: 31561
Docket No.: 10318-US-PA
Application No.: 10/710,659

AMENDMENT

To the Claims:

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

Claims 1-4. (Canceled)

Claim 5. (new) A control circuit, for controlling a frequency converter, said control circuit comprising:

a first parallel circuit, for receiving a power source being applied to said control circuit, said first parallel circuit comprising:

a switch circuit, being turned on or off by a starter circuit, and

a timer switch, said timer switch and said switch circuit are connected in parallel to form said first parallel circuit; and

a second parallel circuit, for turning on or off said frequency converter, wherein said first parallel circuit and said second parallel circuit are connected in series, said second parallel circuit comprising:

a starter relay, wherein when a voltage level of said power supply being applied to said control circuit is below a first predetermined voltage level, said starter relay is turned off, and when said voltage level of said power supply to said control circuit is raised to above a second predetermined voltage level, said starter relay is turned on; and

a timer relay, wherein when said voltage level of said power supply being

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applied to said control circuit is below said first predetermined voltage level, said timer relay remains being turned on for a predetermined time period and said timer switch is turned on to keep said first parallel circuit on receiving said power source being applied to said control circuit, which keeps said frequency converter on,

wherein during said predetermined time period, if said voltage level of said power supply is increased to reach said first predetermined voltage level, said frequency converter remaining turned on to keep said equipment being operated normally,

wherein after said predetermined time period, if said voltage level of said power supply is still below said second predetermined voltage level, said timer relay is turned off and said frequency converter is also turned off.

Claim 6. (new) The control circuit of claim 5, further comprising a stop-reset switch, for turn on said timer relay.

Claim 7. (new) The control circuit of claim 5, wherein when said voltage level of said power supply to said control circuit rises to above the second predetermined voltage level during said predetermined time period, said starter relay is turned on automatically.

Claim 8. (new) A control circuit, for controlling a frequency converter, said control circuit comprising:

a first circuit, for receiving a power source being applied to said control circuit; and

a second circuit, comprising a starter relay and a timer relay, if both of said starter relay and said timer relay are turned off, said frequency converter is turned off, if either said starter

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relay or said timer relay is turned on, said frequency converter is turned on,

wherein said first circuit and said second circuit are connected in series,

wherein when a voltage level of said power supply being applied to said control circuit is below a first predetermined voltage level, said starter relay is turned off, and when said voltage level of said power supply to said control circuit is raised to above a second predetermined voltage level, said starter relay is turned on,

wherein when said voltage level of said power supply being applied to said control circuit is below said first predetermined voltage level, said timer relay remains being turned on for a predetermined time period,

wherein after said predetermined time period, if said voltage level of said power supply is still below said second predetermined voltage level, said timer relay is turned off, by which said frequency converter is also turned off.